

Customer No. 04249

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Christos Paparizos,) PATENT APPLICATION
Stephen C. Jevne, Michael)
J. Seely)
)
APPLICATION NO.: 10/717,846) Group Art Unit: Unknown
CONFIRMATION NO.: Unknown)
)
FILED: November 19, 2003) Examiner:
) Unknown
)
FOR: Improved Catalyst For The) Attorney Docket No.:
Manufacture Of Acrylonitrile) 37,436

Information Disclosure Statement

Filed Under 37 CFR 1.56 and 37 CFR 1.97(b)

Commissioner
for Patents
P. O. Box 1450
Alexandria, Virginia
22313-1450

Sir:

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(Typed or Printed Name of Person Signing Certificate)

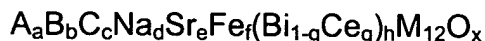
In fulfillment of the duty of disclosure required by 37 CFR 1.56, the attention of the Examiner is directed to the documents listed on the accompanying form PTO -1449, entitled "List of Documents cited by Applicant", which is submitted with respect to the above-identified application. Further, in accordance with 37 CFR 1.98(a)(3)(i), the following is a concise explanation of the relevance of each of the foreign patent documents listed on the form PTO - 1449:

ANY ADDITIONAL FEES REQUIRED
CHARGE TO DEPOSIT ACCOUNT
NO. 01-0528

CN 1230459A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is Li, K, Rb, or Cs; B is Mg or Zn; C is Ni, Co, Mn, Cr, Sb, P, W, or V. The composition of Example 7 may be relevant to the patentability of the invention claimed in the above-identified application.

WO 01/14057A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:

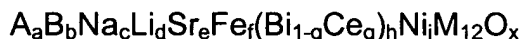


wherein A is Li, K, Rb, Cs, Sm, In, or Tl; B is at least two of P, Sb, Cr, W, Pr, Ce, As, B, Te, Ga, Al, Nb, Tb, La, or V; C is Ni, Co, Sr, Mn, Mg, Ca, Zn, Cd, or Cu. The composition of Example 11 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1287882A

(Chinese language document and English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is K, Rb, Cs, Tl or Sm; B is Mg, Zn, Co, Mn, Cr, P, Sb, B, W, or V. The composition of Example 7 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1310046 A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is Li, Na, K, Rb, or Cs; B is Co, Ni, Cr, Ca, Mg, La, Ce, or V; C is B, P, or As. The compositions of Examples 5, 6 and 8 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1310172 A

(Chinese language document and English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is Li, Na, K, Rb, or Cs; B is Co, Ni, Cr, Ca, Ce, La, Cu, or V; C is B, P, or As. The composition of Example 4 may be relevant to the patentability of the invention claimed in the above-identified application.

JP 07047272A

(No Japanese language document provided – English language abstract and English language translation of JP 07047272 A provided.)

This document discloses a generic catalyst composition of the formula:



wherein Q is Cr or In; A is K, Rb, Cs; E is Mg, Mn, Zn, Ce, Na, or P.

CN 1114915A

(Chinese language document and English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is K, Rb, Cs, Sm, Th; B is Mn, Mg, Sr, Ca, Ba, La, rare earth, C is P, As, B, Sb, Cr; M is W, V. This document also describes the diameter of colloidal particles (10-200nm, 15-90 nm preferred) of silicon sol.

JP 020045696

(Machine translation to English provided.)

This document discloses a generic catalyst composition of the formula:



wherein H is Mg, Ca, Sr, Ba, Cr, Mn, Co, Ni, Cu, Zn or Cd; L is Y, La, Pr, Nd, Sm, Al, Ga, or In; M is Ti, Zr, V, Nb, Ta, W, Ge, Sn, Pb or Sb; N is Ru, Rh, Pd, Re, Os, Ir, Pt, or Ag; X is P, B, As, Th, or Te, Y is Li, Na, K, Rb, or Ce.

CN 1302690A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:



Wherein X is Mg, Co, Ca, Be, Cu, Zn, Pb, Sb, Mn, or Cr; Y is La, or Ce, Sm; Z is K, Rb, Na, or Cs; Q is B, W, or V.

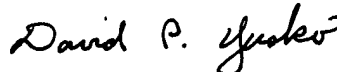
The documents listed in the accompanying form are for the Examiner's convenience and do not constitute an admission that the documents so listed are, in fact, prior art with respect to the present application. Further, with respect to the foreign patent documents, while the above description is believed to reflect the relevant contents of the document, it is not intended that the Patent and Trademark Office rely upon this description as unfailingly accurate or complete. Rather, an English language copy of each document is included for the express purpose of providing the Patent and Trademark Office with ample opportunity to evaluate the same and to arrive at an independent assessment of the materiality of the document, if any, to the examination of this application.

Applicants respectfully request that the art listed on the accompanying form entitled "List of Documents cited by Applicant" be made of record in the above-stylized case.

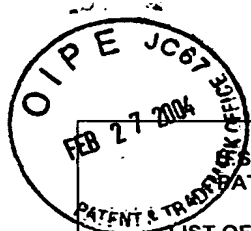
Please charge any fees required to Deposit Account No. 01-0528.

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Respectfully submitted,



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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
37,436SERIAL NO.
10/717,846LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANTS

Christos Paparizos, Stephen C. Jevne, Michael J. Seely

FILING DATE

November 19, 2003

GROUP

UNKNOWN

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	4	1	4	1	3	3	11/08/83	Otake et al.	502	179	
	AB	4	7	4	6	7	5	3	05/24/88	Brazdil, Jr. et al.	558	324	
	AC	4	9	3	9	2	8	6	07/03/90	Brazdil et al.	558	324	
	AD	5	0	9	3	2	9	9	03/03/92	Suresh et al.	502	212	
	AE	5	1	3	4	1	0	5	07/28/92	Paparizos et al.	502	205	
	AF	5	1	7	5	3	3	4	12/29/92	Suresh et al.	558	324	
	AG	5	2	1	2	1	3	7	05/18/93	Suresh et al.	502	212	
	AH	5	2	3	5	0	8	8	08/10/93	Paparizos et al.	558	324	
	AI	5	3	6	4	8	2	5	11/15/94	Neumann et al.	502	311	
	AJ	5	5	8	3	0	8	4	12/10/96	Martin et al.	502	211	
	AK	5	5	8	3	0	8	6	12/10/96	Tenten et al.	502	249	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL	C	N	12	30	45	9	A	10/06/99	China			X	
	AM	W	O	01	14	05	7	A	03/01/01	PCT			X	
	AN	C	N	12	87	88	2	A	03/21/01	China			X	
	AO	C	N	13	10	04	6	A	02/24/00	China			X	
	AP	C	N	13	10	17	2	A	08/29/01	China			x	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE										ATTY. DOCKET NO. 37,436		SERIAL NO. 10/717,846			
LIST OF DOCUMENTS CITED BY APPLICANT <i>(Use several sheets if necessary)</i>										APPLICANTS Christos Paparizos, Stephen C. Jevne, Michael J. Seely					
										FILING DATE November 19, 2003		GROUP UNKNOWN			
U.S. PATENT DOCUMENTS															
*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	AU	5	6	5	8	8	4	2	08/19/97	Midorikawa et al.	502	314			
	AV	5	6	6	3	1	1	3	10/02/97	Midorikawa et al.	502	314			
	AW	5	7	8	0	6	6	4	07/14/98	Kunitoshi Aoki	558	323			
	AX	5	8	0	8	1	4	3	09/15/98	Karrer et al.	562	407			
	AY	5	8	4	0	6	4	8	11/24/98	Suresh et al.	502	306			
	AZ	6	1	4	3	6	9	0	11/07/00	Komada et al.	502	211			
	BA	5	8	3	4	3	9	4	11/10/98	Chen et al.	502	302			
	BB	6	4	5	8	7	4	2	10/01/02	Paparizos et al.	502	304			
	BC														
	BD														
	BE														
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO
	BF	J	P	07	04	72	72	A	02/21/95	Japan				X	
	BG	C	N	11	14	91	5	A	01/17/96	China				X	
	BH	J	P	02	00	45	69	6	02/12/02	Japan				X	
	BI	C	N	13	02	69	0	A	07/11/01	China				x	
	BJ														
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)															
	BK														
	BL														
	BM														
EXAMINER										DATE CONSIDERED					
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